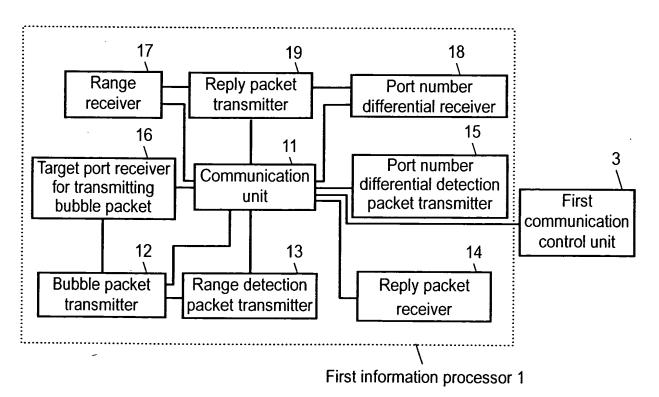
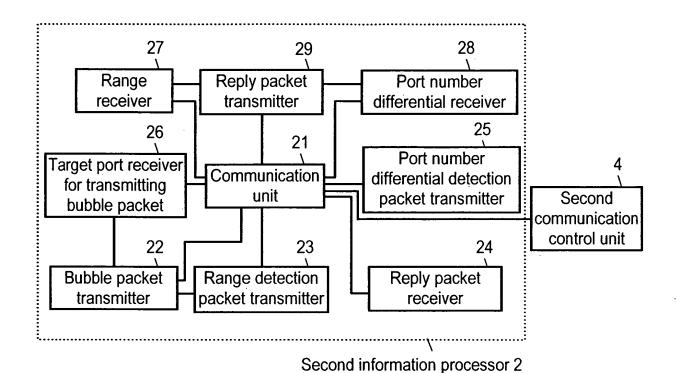


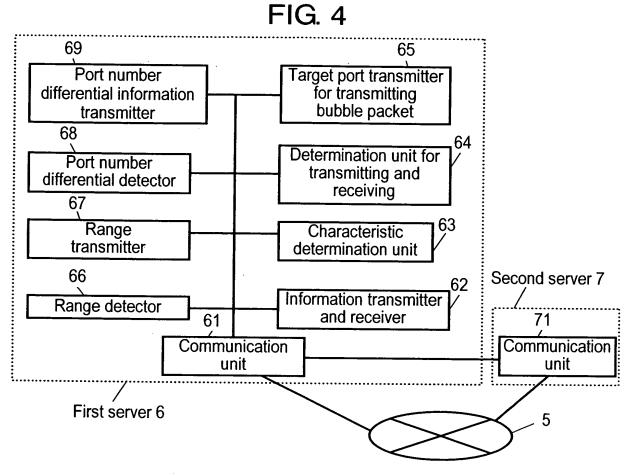
FIG. 2

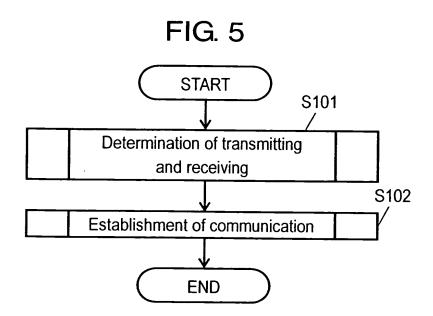


2/28 FIG. 3



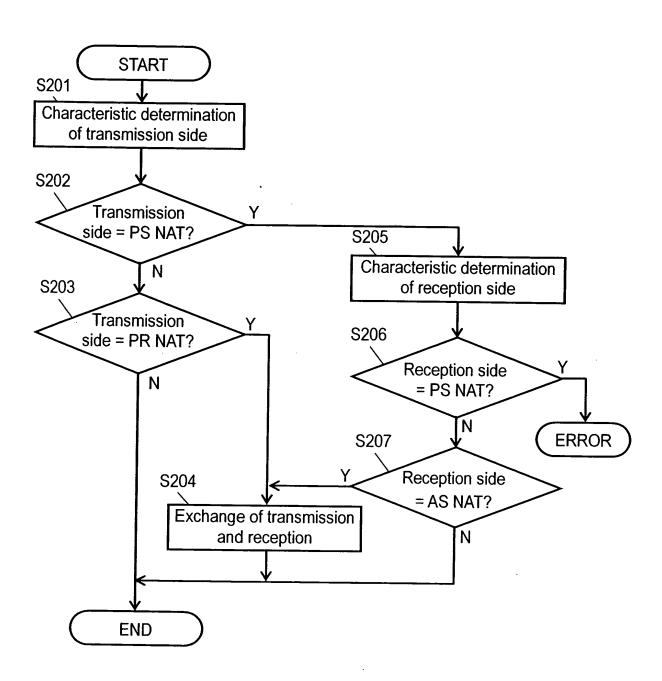
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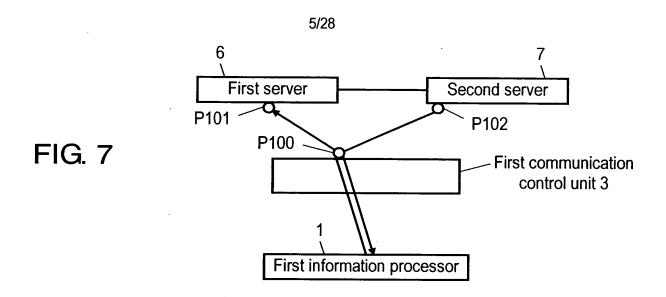


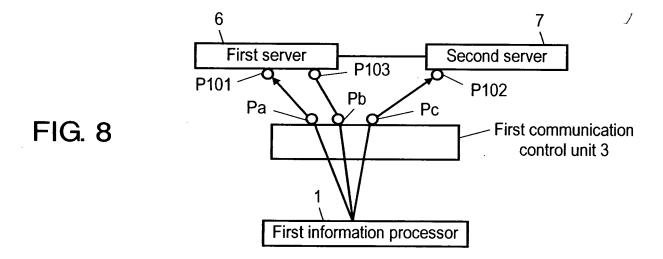


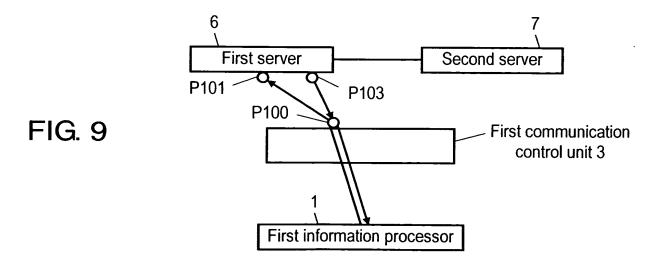
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FIG. 6

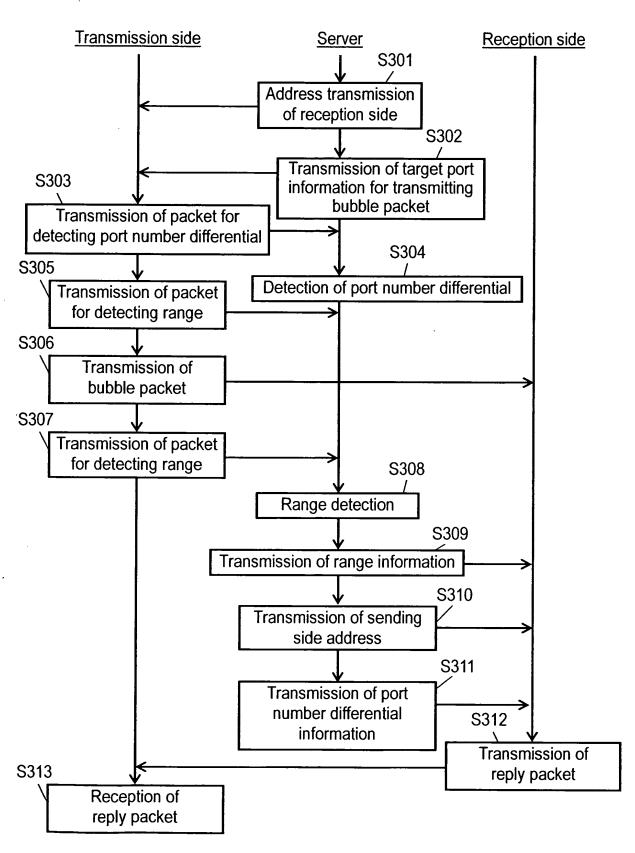








6/28 FIG. 10



7/28 FIG. 11

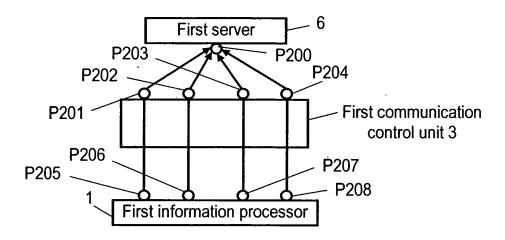
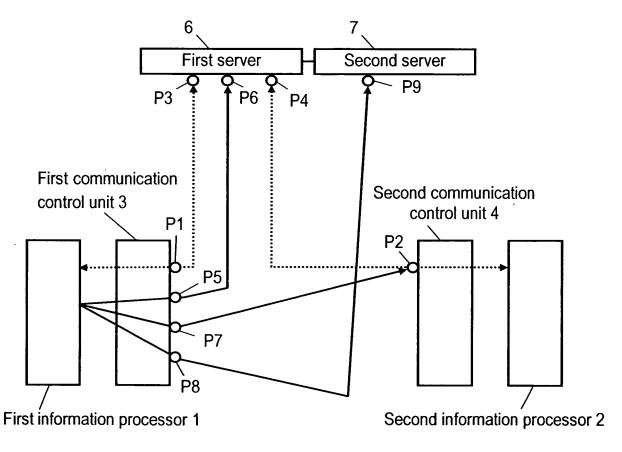
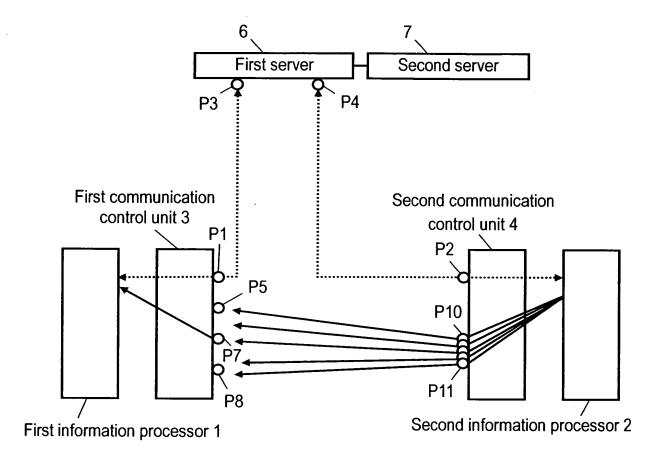


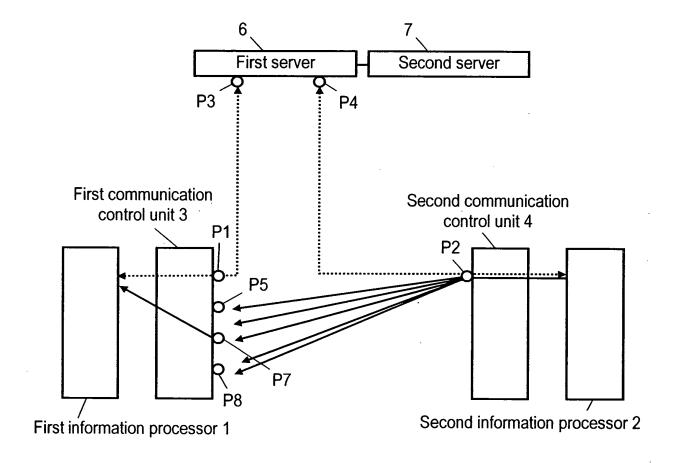
FIG. 12



8/28 FIG. 13

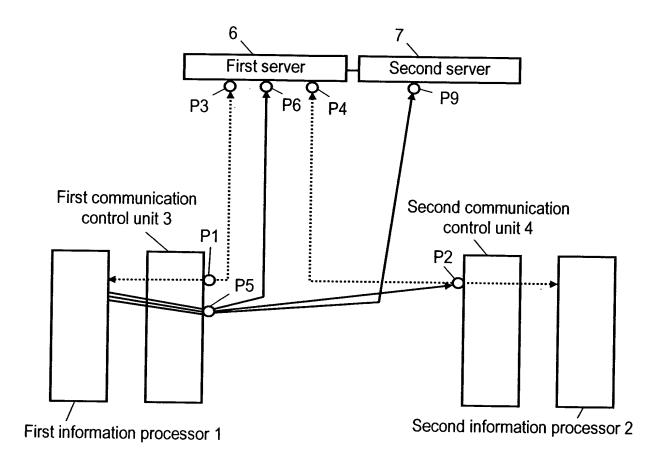


9/28 **FIG**. 14



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10/28 FIG. 15



11/28 FIG. 16

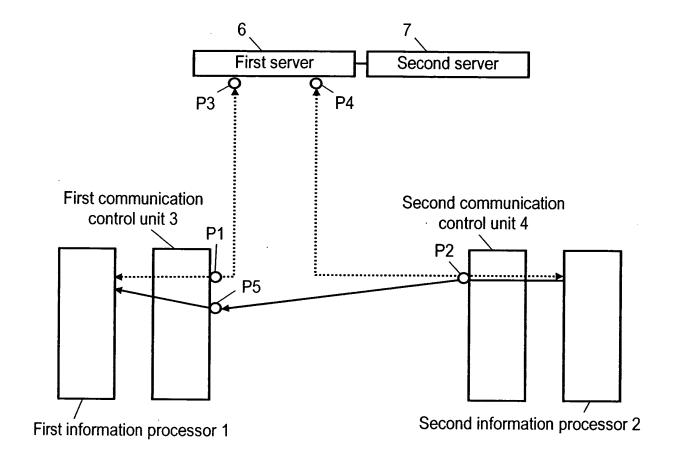


FIG. 17

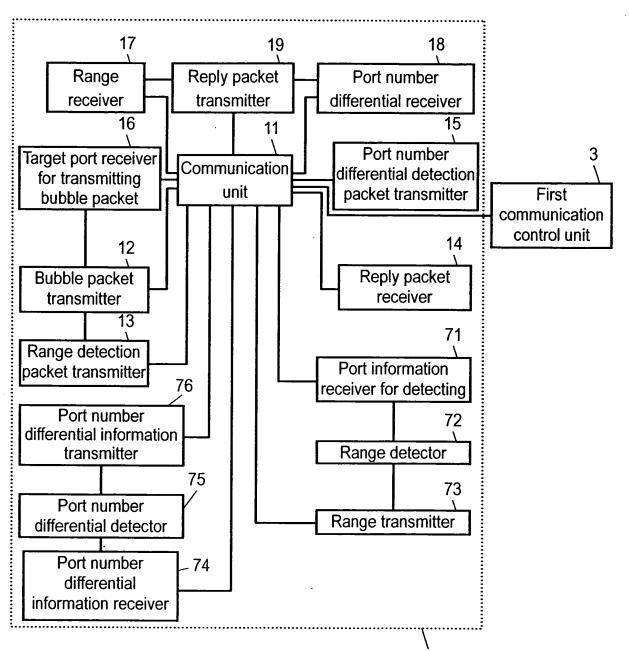
Reception side Trans- mission side	Full Cone NAT	R NAT	PR NAT	AS NAT	PS NAT
Full Cone NAT	О	О	О	О	О
R NAT	О	О	О	О	О
PR NAT	0	0	О	Δ	Δ
AS NAT	0	0	О	О	О
PS NAT	О	O	0	Δ	×

O: Connection enabled

 $\boldsymbol{\Delta}$: Connection enabled by exchanging transmission and reception

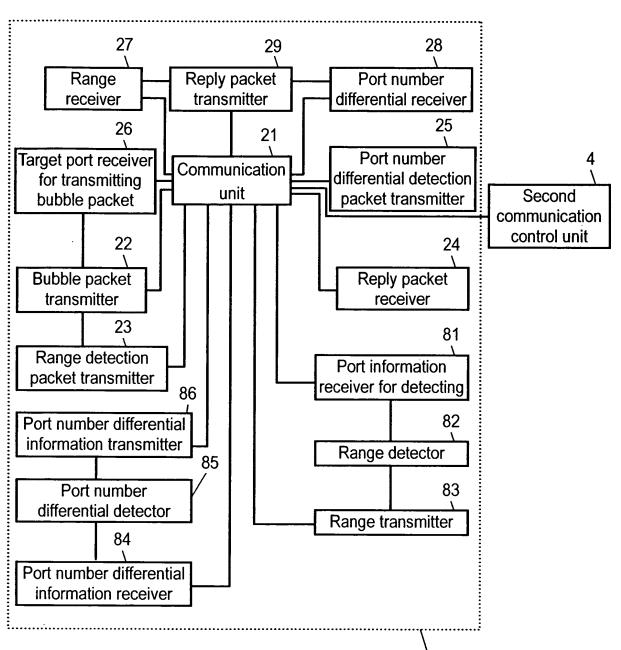
x: Connection disabled

12/28 FIG. 18



First information processor 10

13/28 **FIG**. **19**



Second information processor 20

14/28 FIG. 20

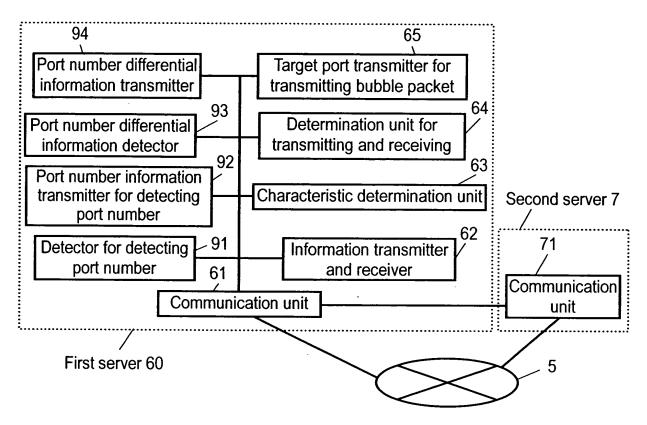
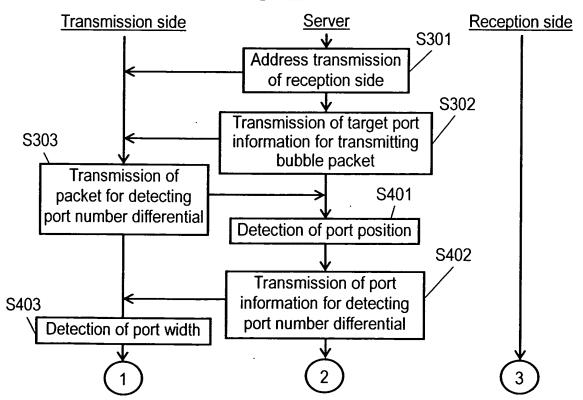
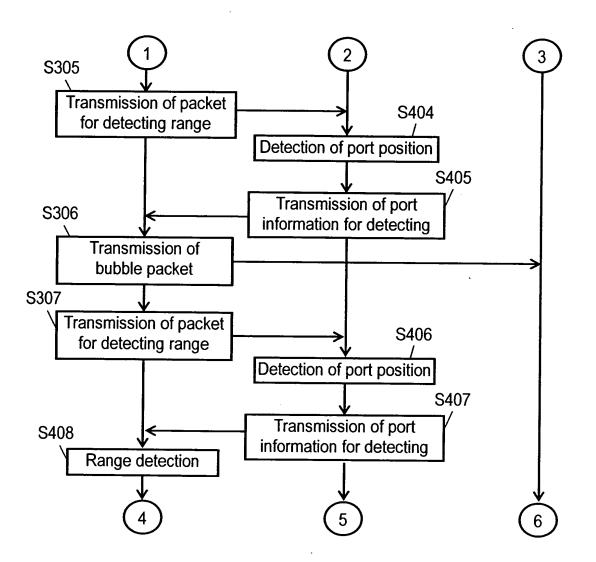


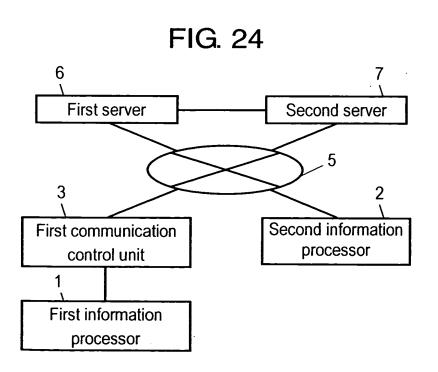
FIG. 21



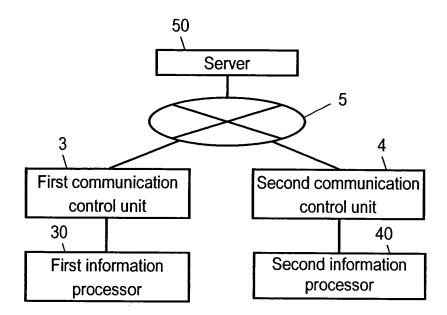
15/28 **FIG**. 22



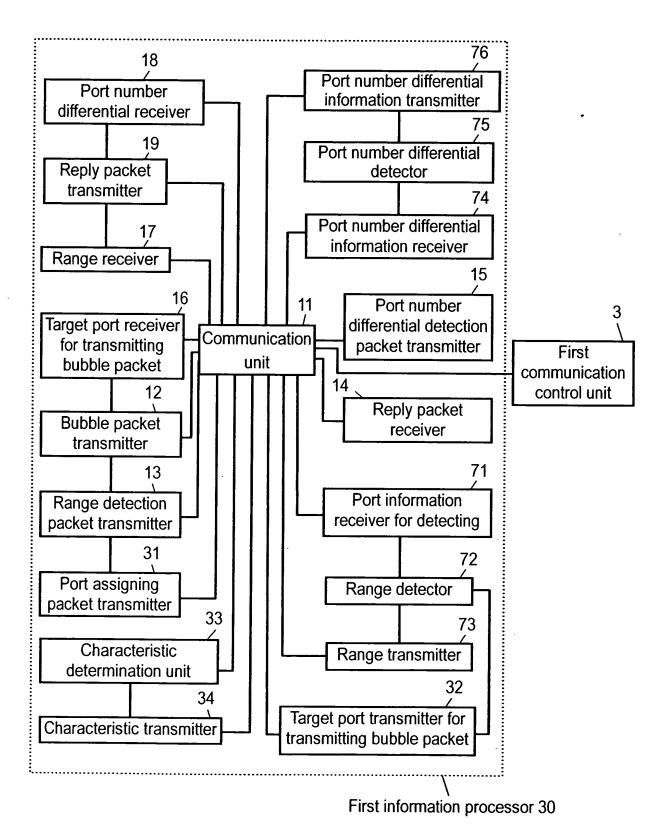
16/28 FIG. 23 S409 S410 Transmission of Relay range information S310 Transmission of sending side address S411 S412 Transmission of port Relay number differential S312 information Transmission of S313 reply packet Reception of reply packet



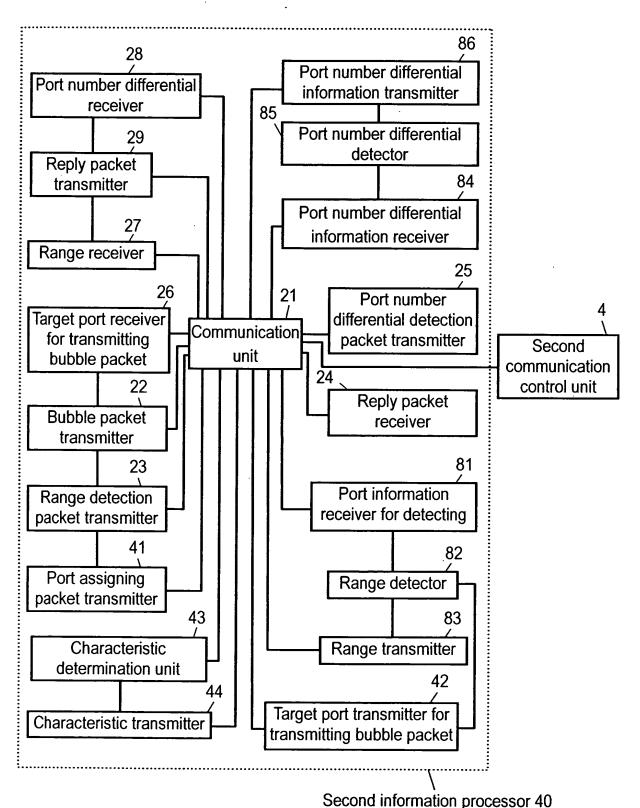
17/28 **FIG. 25**



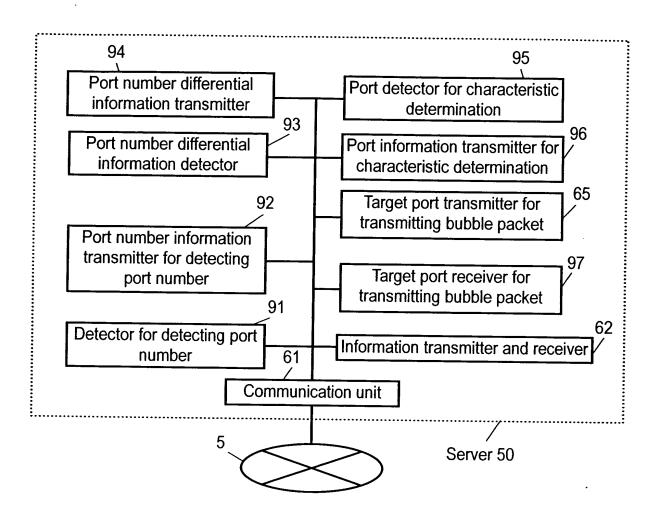
18/28 FIG. 26

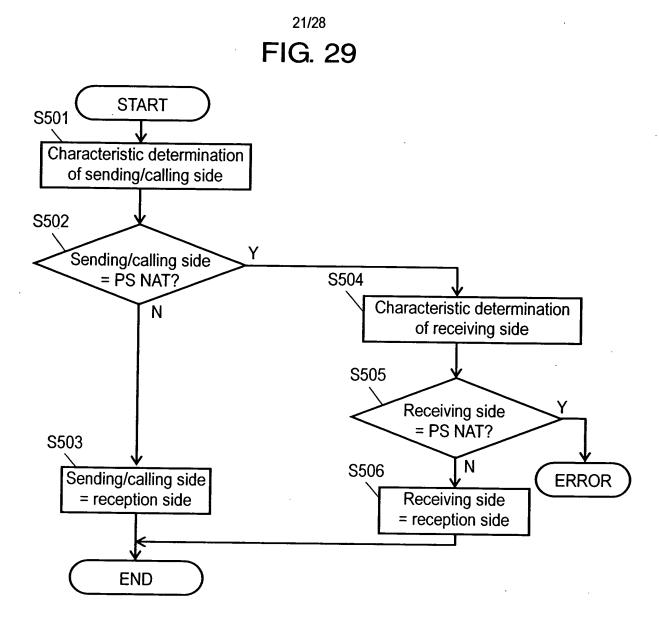


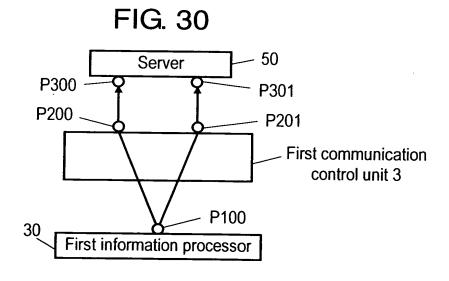
19/28 FIG. 27



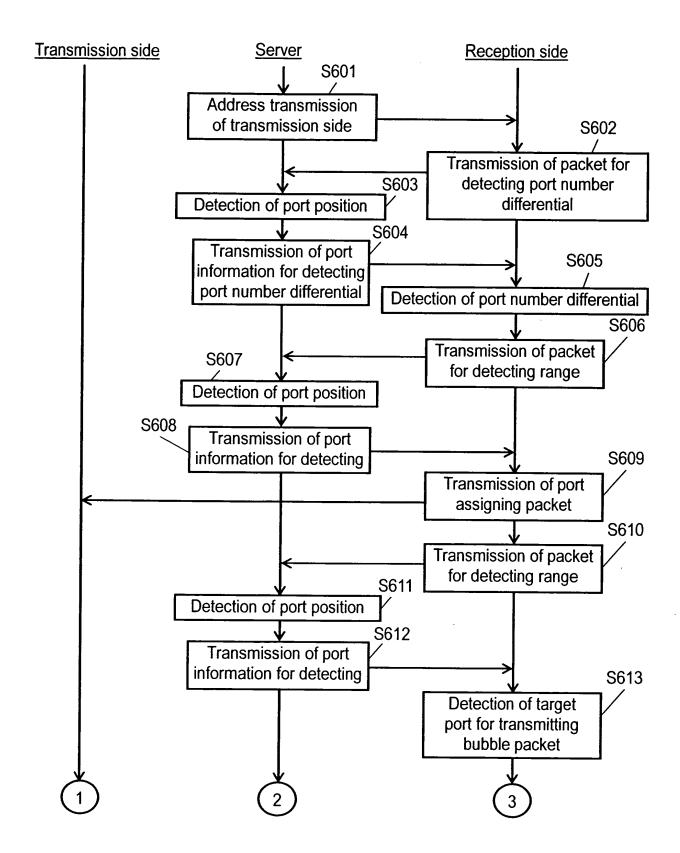
^{20/28} FIG. 28

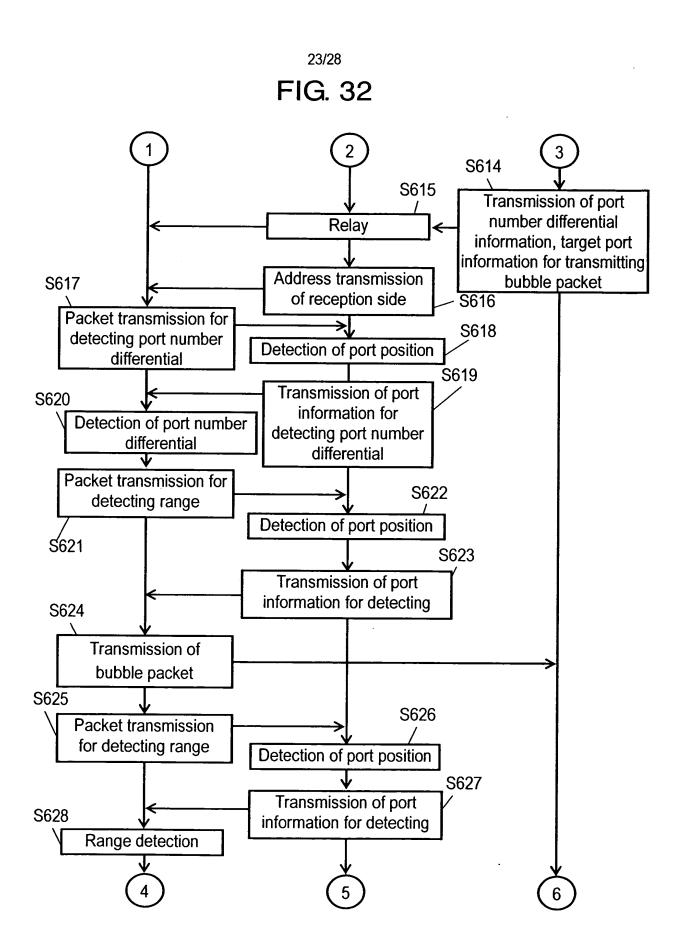




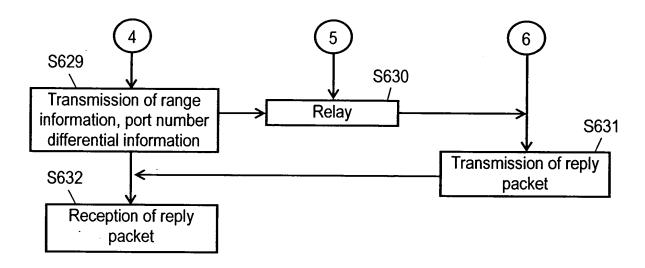


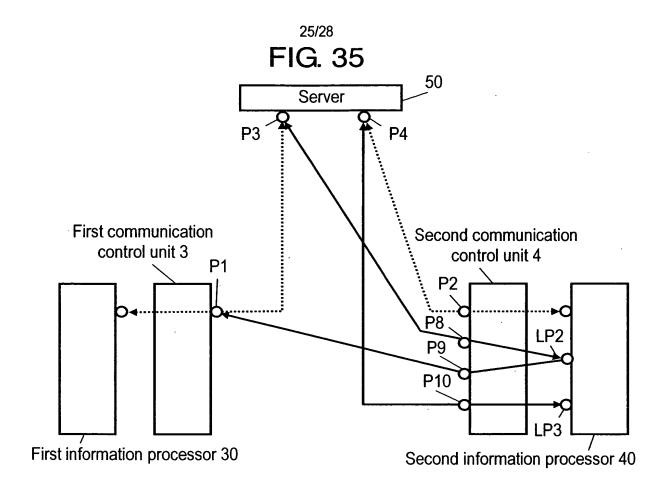
^{22/28} FIG. 31

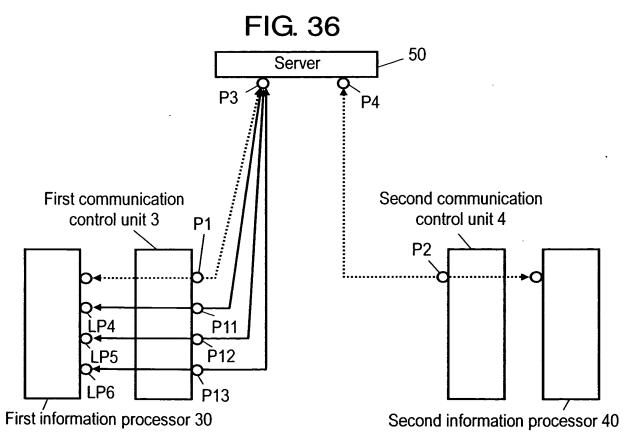


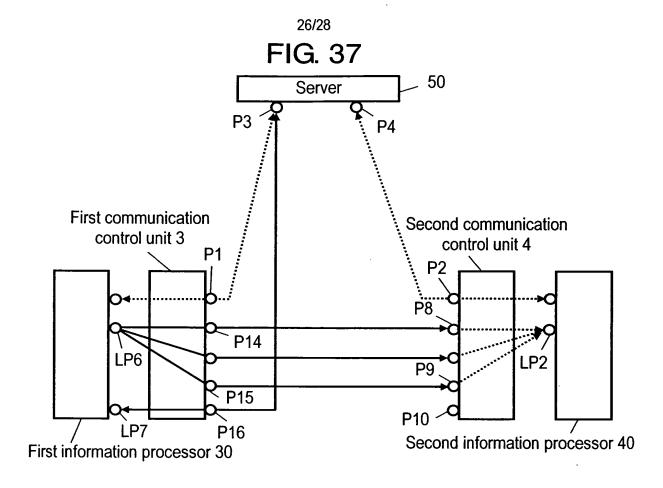


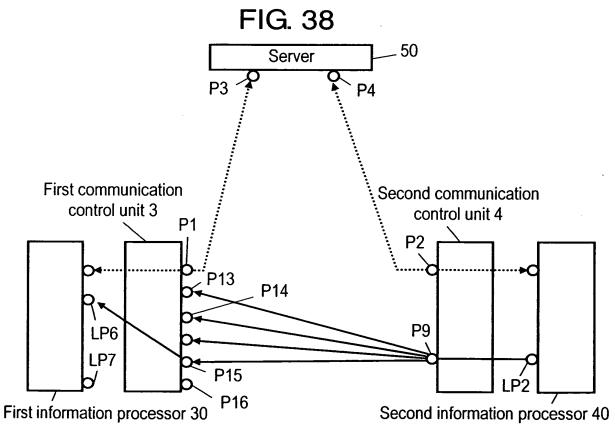
24/28 FIG. 33











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FIG. 39

Reception side Transm-ission side	Full Cone NAT	R NAT	PR NAT	AS NAT	PS NAT
Full Cone NAT	0	О	О	О	Δ
R NAT	О	0	О	О	Δ
PR NAT	О	О	О	О	Δ
AS NAT	О	О	О	О	Δ
PS NAT	О	О	О	О	×

O: Connection enabled

 Δ : Connection enabled by exchanging transmission and reception

×: Connection disabled

Server

NAT1

NAT2

PC1

PC2

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FIG. 41

Reception side Transmission side	Full Cone NAT	R NAT	PR NAT	AS NAT	PS NAT
Full Cone NAT	O * 1	O * 1	O * 1	O * 2	O * 2
R NAT	O * 1	O * 1	O * 1	O * 2	O * 2
PR NAT	O * 1	O * 1	O * 1	O * 3	O * 3
AS NAT	O * 1	O * 1	O * 3	O * 3	O * 3
PS NAT	O * 1	O * 1	×	×	×

O: Connection enabled x: Connection disabled